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U.S. Application No.: NEW PRELIMINARY AMENDMENT

Attorney Docket: 3926.149

## IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (previously presented) A method for determining the threedimensional position of vehicle passengers which comprises the following steps:

observing the vehicle passengers by means of at least two cameras (1, 2, 1', 2') which are disposed in such a way that they can operate in non-stereo mode;

extracting appropriate characteristics from the recorded video data of the vehicle passengers;

initializing a tracking method by means of a head model:

verifying the extracted characteristics by means of pattern recognition; and

tracking the verified characteristics by means of the head model.

- 2. (previously presented) The method as claimed in claim 1, wherein the characteristics are selected from a group which consists of facial or shape characteristics of the passengers.
- (previously presented) The method as claimed in claim 2,
  wherein the facial or shape characteristics comprise eyes,

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nostrils, corners of the mouth, eyebrows or hairline.

- 4. (currently amended) The method as claimed in <u>claim 1</u> one or more of claims 1-3, wherein the cameras (1, 2, 1', 2') do not need to be synchronized.
- 5. (currently amended) The method as claimed in claim 1 one or more of claims 1-4, wherein the cameras (1, 2, 1', 2'), having different fields of view, are positioned in such a manner that one eye of a driver (4) is always visible.
- 6. (currently amended) The method as claimed in <u>claim 1</u> one or <u>more of claims 1-5</u>, which furthermore comprises the step of determining the head attitude of passengers.
- 7. (currently amended) The method as claimed in <a href="claim 1">claim 1</a> one or more of claims 1-6, which also comprises the step of determining the direction of view of passengers.
- 8. (currently amended) The method as claimed in claim 1 one or more of claims 1-7, which also comprises the step of determining the state of the eyelids of the passengers.
- 9. (currently amended) The method as claimed in claim 1 one or more of claims 1-8, wherein the tracking step is based on the Kalman filtering of all recorded characteristics of the cameras (1, 2; 1', 2'), wherein the cameras can be operated

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asynchronously.

- 10. (currently amended) The method as claimed in claim 1 one or more of claims 1-9, wherein the head model is an anthropometric model.
- 11. (currently amended) The method as claimed in <u>claim 1</u> one or more of claims 1-10, wherein the pattern recognition is a statistical pattern recognition.
- 12. (currently amended) A device for determining the three-dimensional position of vehicle passengers, comprising the following:

at least two cameras (1, 2, 1', 2') for observing the vehicle passengers, which are disposed in such a way that they can operate in non-stereo mode; and

a controller (3) comprising the following:

means for extracting appropriate characteristics from the recorded video data of the vehicle passengers;

means for initializing a tracking step by means of a head model;

means for verifying the extracted characteristics by means of pattern recognition; and

means for tracking the verified characteristics by means of the head model.

13. (previously presented) The device as claimed in claim 12,

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wherein the characteristics are selected from a group which consists of facial or shape characteristics of the passengers.

- 14. (previously presented) The device as claimed in claim 13, wherein the facial or shape characteristics comprise eyes, nostrils, corners of the mouth, eyebrows or hairline.
- 15. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12-14, wherein the cameras (1, 2, 1', 2') do not need to be synchronized.
- 16. (currently amended) The device as claimed in claim 12 one or more of claims 12-15, wherein the cameras (1, 2, 1', 2), having different fields of view, are positioned in such a manner that one eye of a driver (4) is always visible.
- 17. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12-16, which also comprises means for determining the head attitude of passengers.
- 18. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12-17, which also comprises means for determining the state of the eyelids of the passengers.
- 19. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12-18, wherein the means for tracking are

constructed for carrying out the Kalman filtering of all recorded characteristics of the cameras (1, 2; 1', 2'),

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20. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12 19, wherein the cameras (1, 2) are arranged in the front area of the vehicle (10).

wherein the cameras can be operated asynchronously.

- 21. (currently amended) The device as claimed in <u>claim 12</u> one or more of claims 12-19, wherein one camera (1') is arranged in the front area and the other camera is arranged in the side area of the vehicle (10).
- 22. (currently amended) The device as claimed in claim 12 one or more of claims 12-21, wherein the controller (3) also comprises means for controlling the release of an airbag and/or the adjustment of a head rest (5) and/or the adjustment of a seat of the vehicle by means of the detected head position.